

Total No. of Printed Pages—12+1(Map)

HS/XII/A.Sc/Geo/NC/26

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GEOGRAPHY

(New Course)

(Theory)

Full Marks : 70

Time : 3 hours

The figures in the margin indicate full marks for the questions.

General Instructions :

- (i) This question paper contains 29 questions. *All* questions are compulsory.
- (ii) This question paper is divided into five Sections—Sections A, B, C, D and E.
- (iii) In Section—A, Question Nos. **1** to **17** are multiple-choice type questions (MCQ) carrying *1* mark each.
- (iv) In Section—B, Question Nos. **18** and **19** are source-based questions carrying 3 marks each.
- (v) In Section—C, Question Nos. **20** to **23** are short answer-type questions carrying 3 marks each. Answer to these questions shall be written in *80* to *100* words each.
- (vi) In Section—D, Question Nos. **24** to **28** are long answer-type questions carrying 6 marks each. Answer to these questions shall be written in *120* to *150* words each.
- (vii) In Section—E, Question No. **29** is Map-based question carrying 5 marks.

(2)

SECTION—A

Answer Question Nos. **1** to **17** (multiple-choice type questions) :

1×17=17

1. Who among the following introduced the concept of Neo-determinism?
(a) Ellen C. Semple (b) Paul Vidal de la Blache
(c) Griffith Taylor (d) Ratzel
2. Which one of the following is also called slash-and-burn agriculture?
(a) Mixed farming
(b) Primitive subsistence agriculture
(c) Plantation agriculture
(d) Mediterranean agriculture
3. Choose the correct pair.
(a) State having the highest population—Uttar Pradesh
(b) State having the highest literacy rate —West Bengal
(c) State having the highest percentage of rural population—Goa
(d) State having the highest population of Sikhs—Kerala
4. Which of the following are true about urban settlements?
 1. They are generally compact and larger in size.
 2. People are engaged in secondary and tertiary activities.
 3. They provide raw materials for various industries.

(a) 1, 2 and 3 (b) 1 and 3
(c) 1 and 2 (d) 2 and 3

(3)

5. There are two statements marked as Assertion (A) and Reason (R). Choose the correct answer from the options given :

Assertion (A) :

Irrigation is needed in India because of spatio-temporal variability of rainfall in the country.

Reason (R) :

Agriculture accounts for 92% of groundwater utilisation in India.

- (a) Both A and R are true and R is the correct explanation of A
 - (b) Both A and R are true, but R is not the correct explanation of A
 - (c) A is true but R is false
 - (d) Both A and R are false
6. Which of the following is the busiest sea-route in the world, also called the Big Trunk Route?
- (a) The Cape of Good Hope Sea Route
 - (b) The North Pacific Sea Route
 - (c) The Northern Atlantic Sea Route
 - (d) The Southern Atlantic Sea Route

(4)

7. According to Dr. Mahbub ul-Haq, which of the following means human development?

- (a) Development which increases people's income
- (b) Development which enlarges people's choices
- (c) Development which makes people strong
- (d) Development which makes people smart

8. Which mineral is an important raw material for smelting of iron ore and for making ferroalloys?

- (a) Copper
- (b) Bauxite
- (c) Manganese
- (d) Mica

9. Which of the following is/are true in the context of international trade of India?

- 1. There has been an increase in the total volume of import and export.
- 2. The value of imports is higher than the value of exports.

Codes :

- (a) Only 1
- (b) Only 2
- (c) Both 1 and 2
- (d) None of the above

(5)

10. Which one of the following is the main reason for female migration in India?

- (a) Education
- (b) Marriage
- (c) Employment
- (d) Lack of security

11. Which one of the following is the most polluted river of India?

- (a) Brahmaputra
- (b) Yamuna
- (c) Ganga
- (d) Krishna

12. Which industries produce raw materials for other industries?

- (a) Cottage industries
- (b) Basic industries
- (c) Footloose industries
- (d) Small-scale industries

- 13.** Choose the correct pair.
- (a) The Rhine Waterway–Eastern Europe
 - (b) The Danube Waterway–Western Europe
 - (c) The Volga Waterway–Russia
 - (d) The Great Lakes St. Lawrence Seaway–South America
- 14.** Which one of the following is the longest river in Meghalaya?
- (a) Umngot River
 - (b) Simsang River
 - (c) Myntdu River
 - (d) Umiam River
- 15.** Where is the Bhabha Atomic Research Centre located?
- (a) Tarapur
 - (b) Narora
 - (c) Kota
 - (d) Trombay
- 16.** Which of the following provides helicopter services in the hilly areas of North-East India?
- (a) Indian Airlines
 - (b) Air India Limited
 - (c) Pawan Hans Limited
 - (d) The Airport Authority of India

(7)

17. Arrange the following stages of demographic transition in a chronological order and choose the correct option :

1. High fertility and high mortality
2. Birthrate equal to death rate
3. Population explosion

Codes :

- (a) 1, 2, 3
- (b) 3, 2, 1
- (c) 2, 3, 1
- (d) 1, 3, 2

SECTION—B

Answer Question Nos. **18** and **19** (source-based questions) : $3 \times 2 = 6$

18. Read the following passage carefully and answer the questions that follow : $1 \times 3 = 3$

Rainwater Harvesting

Shortage of water is felt in rural areas for irrigation and for domestic use as well as for industrial use in urban areas. One of the methods of solving the problem of water shortage is by adopting rainwater harvesting. It is a technique of increasing the recharge of groundwater by capturing and storing rainwater locally in sub-surface water reservoirs to meet the household needs. The objectives of this technique are to meet the ever increasing demand for water, reduce the surface run-off which chokes drains, avoid flooding of roads, improve the quality of groundwater and also to reduce soil erosion.

There are many low-cost techniques which can be used to recharge the groundwater aquifers. Some of the important techniques are roofwater harvesting, recharging of handpumps, recharge through abandoned dug-wells, recharge through trench and bunds and stop dams on

small rivulets. The techniques of rainwater harvesting are not new to India. These days, rainwater harvesting is being taken up on a massive scale in many States in the country. Urban areas can specially benefit from this method as water demand has already outstripped supply in most of the cities and towns.

- (a) What is rainwater harvesting? 1
- (b) What are the objectives of rainwater harvesting? 1
- (c) List some important low-cost techniques of rainwater harvesting. 1

19. Study the following table carefully and answer the questions that follow : 1×3=3

<i>Categories</i>	<i>Persons</i>	<i>% to total workers</i>	<i>Male</i>	<i>Female</i>
Primary activities	263022473	54.6	165447075	97575398
Secondary activities	18336307	3.8	9775635	8560672
Tertiary activities	200384531	41.6	156643220	43741311

- (a) Identify the activity in which most people are engaging. 1

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- (b) Give examples of primary activities. 1
- (c) Give two reasons for poor female participation in work in India. 1

SECTION—C

Answer Question Nos. **20** to **23** (short answer-type questions) :

3×4=12

- 20.** Define human geography. Mention any four fields of human geography. 3

Or

Explain the concept of environmental determinism with suitable examples.

- 21.** Mention four reasons for the increasing popularity of air transport in the recent times, in spite of its high cost. 3
- 22.** Mention two reasons for migration of people in large number from rural to urban areas. 3
- 23.** What are the problems faced by urban slums? 3

SECTION—D

Answer Question Nos. **24** to **28** (long answer-type questions) :

6×5=30

- 24.** Describe the functional classification of towns by giving suitable examples from India. 6

(10)

- 25. (a)** What is human development? Describe the four pillars of human development. 1+5=6

Or

- (b)** “The population of the world is unevenly distributed.” Briefly describe the factors influencing the distribution of the world population. 6

- 26. (a)** What is pastoralism? Describe the characteristics of nomadic herding. Mention two areas in the world where nomadic herding is still practised. 1+4+1=6

Or

- (b)** What are secondary activities? Give an account on any four geographical factors influencing the location of industries. 1+5=6

- 27. (a)** “Dependence on erratic monsoon and indebtedness are the major problems of Indian agriculture.” Explain these problems and suggest some measures to overcome these problems. 5+1=6

Or

- (b)** Briefly describe the growth of iron and steel industry in India. What are the facilities available for the growth of the Tata Iron and Steel Industry in India? 2+4=6

- 28. (a)** Give a detailed account on the important mineral resources of Meghalaya and their distribution. 6

Or

- (b)** What are Transcontinental Railways? Give a detailed account on any two important Transcontinental Railways in the world. 1+5=6

(11)

SECTION—E

Answer Question No. **29** (map-based question) :

1×5=5

29. On the given political map of the world (on Page No. 13), seven geographical features have been marked as A, B, C, D, E, F and G. Identify any *five* with the help of the following information and write their correct names on the lines drawn near each feature :

- A. An area of nomadic herding
- B. A major airport in South Africa
- C. A canal that connects the Atlantic Ocean with the Pacific Ocean
- D. The Eastern Terminal Station of the Trans-Siberian Railway
- E. An area of dairy farming
- F. An important inland waterway
- G. An area of extensive commercial grain farming

[**Important** : Tear Page No. 13 along the dotted line and attach it with the Answer-Book]

[**The following question is for Visually Impaired Candidates in lieu of Question No. 29**]

29. Answer any *five* questions from the following :

1×5=5

- (a) Name an area of nomadic herding in South Africa.
- (b) Name the major airport of South Africa.

(12)

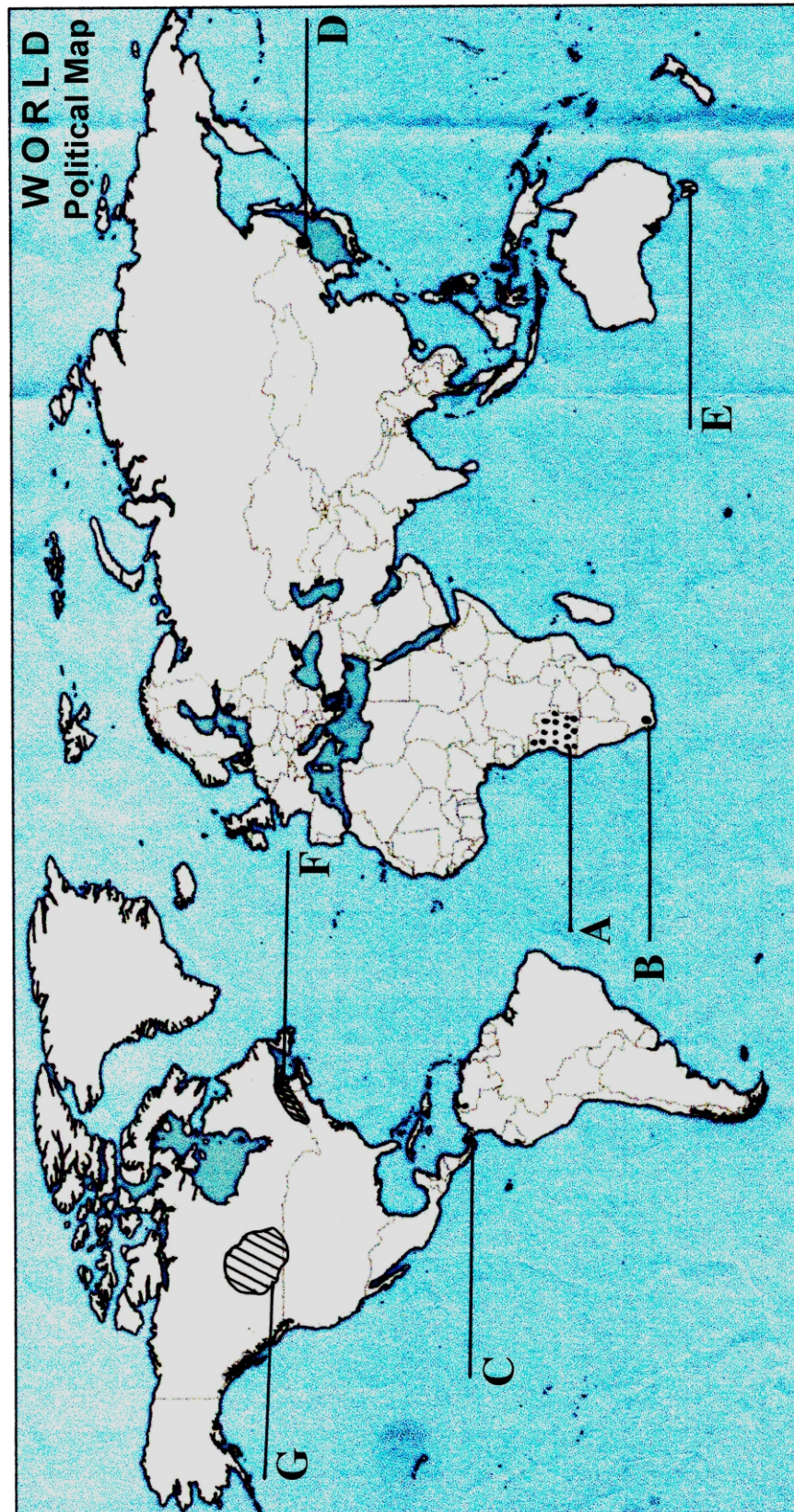
- (c) Name a canal that connects the Atlantic Ocean with the Pacific Ocean.
- (d) Name the Eastern Terminal Station of the Trans-Siberian Railway.
- (e) Name an area of dairy farming in Australia.
- (f) Name the important inland waterway in North America.
- (g) Name an area of extensive commercial grain farming in North America.

★ ★ ★

For Question No. 29

Roll No. _____

Fold and then tear along the dotted line or detach this paper



(Attach with the Answer-Book)